

ARTICLE 1705

International Plumbing Code

- 1705.01 Adoption.
- 1705.02 Additions, Deletions, and Modifications.
- 1705.02 Penalty. (IPC 108.4)

CROSS REFERENCES

BOCA Building Code - See BLDG. Art. 1701
National Electrical Code - See BLDG. Art. 1703
Mechanical food waste disposals - See BLDG. Art. 1717
Plumbing or plumbing fixtures - See BLDG. Art. 1733
Required plumbing facilities in rooming houses -
See BLDG. Art. 1735

1705.01 ADOPTION

There is hereby adopted by the City of Bethlehem that certain Code known as the **2000 International Plumbing Code (First Edition)** with deletions and amendments thereto as hereinafter noted.

SECTION 2. That Section 1705.02 of the Codified Ordinances of the City of Bethlehem be amended to read as follows:

1705.02 ADDITIONS, DELETIONS, AND MODIFICATIONS.

The following articles, representing revisions or additions from the International Plumbing Code, shall be applicable for the purpose of the Ordinance:

CHAPTER 1 ADMINISTRATION

100.0 PLUMBERS EXAMINING BOARD

100.2

Each member, except the plumbing inspector, shall be appointed by the Mayor for a term of four (4) years except at the formation of the Board when appointments shall be made for 1,2,3 and 4 years respectively so that only one (1) member is appointed annually thereafter.

100.3

Upon the death or resignation of a member the Mayor shall appoint a successor, equally qualified to fill the unexpired term.

100.4

The Board shall meet and organize within thirty (30) days after the passage of this Ordinance and shall elect a Chairman who shall conduct meetings of the Board. Thereafter, the Board shall meet at such intervals as may be necessary for the proper performance of its duties, but not less than twice in any one calendar year.

At the first meeting in any calendar year the Board shall reorganize and elect a chairman to serve for the ensuing year. Members of the Board shall be paid a fee of twenty-five dollars (\$25.00) for each attendance or meeting held in connection with official business of the Board.

100.5

Members may be reappointed to the Board for additional terms.

100.6

It shall be the duty of the Board to establish standards and procedures for the qualification, examination and licensing of Master and Journeyman plumbers and approve appropriate licenses to each person who meets the qualifications thereof, and successfully passes the examination given by the Board.

100.6.1 Master Plumber

A master plumber is a person who regularly engages in and works at the plumbing trade, who employs and directs journeymen plumbers and apprentices.

An apprentice plumber is a person who is learning the plumbing trade and is employed and supervised by a licensed Master Plumber.

100.7

Master Plumbers, registered in First, Second or Third Class Cities of Pennsylvania, but not registered in the City of Bethlehem who desire to engage in plumbing within the City, shall without examination secure the necessary plumbing permit before engaging upon said work.

100.8

An Annual date for examinations for licenses shall be scheduled by the Plumber's Examining Board.

100.9

Examination shall be based upon the rules and regulations contained in this Code, the basic laws of hydraulics as applied to the plumbing industry, and the knowledge of mathematics as applied to a practical utilization of the foregoing requirements.

100.10

It shall be the duty of the Board to supervise enforcement and interpretation of this Code by the Plumbing Inspector and to suggest amendments or revisions of this Code as it deems necessary.

100.11

It shall be the duty of the Board to receive complaints from persons who are aggrieved by decisions of the Plumbing Inspector, to set a date for a formal hearing of the complaint and to rule upon the matter, provided such ruling is within a reasonable interpretation of this Code.

100.12

Appeals from decisions of the Board shall be made to the Board of Appeals.

No person shall engage in the business of Plumbing in the City of Bethlehem or install any pipes, fixtures, or other apparatus for supplying water or removing liquid or liquid-borne wastes, nor install any plumbing fixtures, drains, vents and water distributing system unless licensed as a Master Plumber under the provisions of this code.

103.2

No individual, firm, partnership or corporation shall engage in installing, repairing or altering plumbing unless the plumbing work is done under the direct supervision of a duly licensed Master Plumber.

103.3

Every person employed in the business of plumbing shall be a licensed Journeyman Plumber except that apprentices, helpers, and laborers may be employed provided that all of their work is supervised by one or more licensed plumbers and every project shall have a licensed plumber in charge of the work.

103.4

Licenses approved by the Board shall be issued in accordance with this Ordinance.

103.5

No person who has obtained a plumber's license shall allow his name to be used by another person either for the purpose of obtaining permits or for doing business or work under the license. Every person licensed shall notify the Board of the address of his place of business, if any, and the name under which said business is carried on and shall give immediate notice to the Board, in writing, of any change in either.

103.6

Master and Journeyman Plumbers' licenses shall expire on December 31 of the year in which they have been issued. Such licenses are renewable for the next calendar year upon payment of the annual fee providing the individual's license has not been revoked. License shall be renewed in the month of

hearing by the Board not sooner than five (5) days from receipt of the notice.

103.8

Master Plumbers - Registered in City of Bethlehem	- \$ 75.00
Journeyman - Registered in City of Bethlehem	- \$ 50.00
Fee for Master's Exam Test	- \$ 50.00
Journeyman's Exam Test	- \$ 30.00
Special Exam Tests	- \$250.00

103.9

Any valid plumbing license in effect at the same time that this Ordinance goes into effect shall remain valid for the balance of the year issued without any payment of additional fee for that year.

104.0 Plumbing Inspector

104.1

To be eligible for appointment to the position of Plumbing Inspector, the person shall have had at least five (5) years experience as a Master Plumber. In the position of Plumbing Inspector, the person shall not be actively engaged in or be directly or indirectly connected with any plumbing business within the City limits, which conflicts with official duties or with the interests of the department. The plumbing inspector shall be appointed by the head of the department to which the Bureau of Inspections is administratively assigned. After appointment, he shall not be removed from office except for cause, with the approval of the Mayor, and after full opportunity has been granted him to be heard on specific and relevant charges by and before the said department head.

104.2

It shall be the duty of the Plumbing Inspector to act as Secretary to the Board and be responsible for the minutes of their meetings.

104.3

It shall be the duty of the Plumbing Inspector or his authorized representative to receive applications and issue permits for the installation

The plumbing official, officer, or employee charged with the enforcement of this Code, while acting for the jurisdiction, shall not thereby render himself liable personally, and he is hereby relieved from all personal liability for any damage that may accrue to person or property as a result of any act required or permitted in the discharge of his official duties. Any suit instituted against any officer or employee because of an act performed by him in the lawful discharge of his duties and under the provisions of this Code shall be defended by the Legal Representative of the City of Bethlehem until the final termination of the proceedings. In no case shall the plumbing official or any of his subordinates be liable for costs in any action, suit or proceedings that may be instituted in pursuance of the provisions of this Code and any officer of the division of plumbing inspections, acting in good faith and without malice, shall be free from liability for acts performed under any of its provisions or by reason of any act of omission in the performance of his official duties in connection herewith.

104.6 Right of Entry

Whenever it is necessary to make an inspection to enforce the provisions of this code, or whenever the code official has reasonable cause to believe that there exists in any building or upon any premises any conditions or violations of this code which make the building or premises unsafe, unsanitary, dangerous or hazardous, the code official shall have the authority to enter the building or premises at all reasonable times to inspect or to perform the duties imposed upon the code official by this code. If such building or premises is occupied, the code official shall present credentials to the occupant and request entry. If such building or premises is unoccupied, the code official shall first make a reasonable effort to locate the owner or other person having charge or control of the building or premises and request entry. If entry is refused, the code official shall have recourse to every remedy provided by law to secure entry.

When the code official shall have first obtained a proper inspection warrant or other remedy provided by law to secure entry, no owner or occupant or person having charge, care or control of any building or premises shall fail or neglect, after proper request is made as herein provided, to promptly permit entry therein by the code official for the purpose of inspection and examination pursuant to this code.

104.7 Modifications

106 PERMITS REQUIRED

106.1

No Plumbing, unless excepted in this Code, shall be undertaken prior to the issuance of a permit. Permits shall be issued to a licensed Master Plumber only and said permit shall not be transferable.

Exceptions:

(a) Single Family Dwellings

Any permit required by the Ordinance may be issued to a bona fide owner, occupant of a single family dwelling, which is to be occupied exclusively for living purposes, to do any work regulated by this Code on the said dwelling and on the condition that the said owner personally purchase all material and perform all labor in connection herewith.

(b) Exempt work

The following work shall be exempt from the requirement for a permit.

1. The stopping of leaks in drains, water, soil, waste or vent pipe, however, that if any concealed trap, drain pipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a permit shall be obtained and inspection made as provided in this code.
2. The clearing of stoppages or the repairing of leaking pipes valves or fixtures provided such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures. Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in violation of the provisions of this code or any other laws or ordinances of this jurisdiction.

(c) A permit may be issued to other than a licensed Master Plumber for

106.2 Proof of Responsibility

At the time of issuance of all permits, the applicant shall furnish a certificate evidencing proof of Workmen's Compensation, Bodily Injury, and Property Damage Insurance applicable to the applicant, unless such evidence is currently on file in the bureau of Inspections.

106.3 Application for Permit

Application for permits for plumbing work shall be made on forms provided by the Plumbing Inspector.

106.4 Expiration

Every permit issued by the Plumbing Inspector shall expire and become null and void if the work authorized by such permit is not commenced within six (6) months from date of issue.

106.5 Suspension or Revocation of Permit

The Plumbing Inspector shall revoke a permit or approval issued under the provisions of this code for any false statement or misrepresentation of fact in the application for a permit or on the construction documents upon which the permit or approval was based.

106.6 Violaton Permits

Where violations are noted and corrections required, the Plumbing Inspector shall have authority to require the issuance of a permit for any violations contrary to this code, to ensure compliance with the provisions and intent of these regulations.

106.7 FEES

106.7.1

Fees shall be paid to the City Treasurer in accordance with the following schedule:

106.7.2 Schedule of Fees

sanitary sewer connection	\$30.00
storm sewer connection	\$30.00
cold water supply connection not requiring a direct or indirect drain	\$ 7.00
replacement or alteration of drainage or vent piping, each fixture	\$ 7.00

106.7.2 Schedule of Fees shall be amended to read as follows:

106.7.2 Schedule of Fees

Minimum permit fee for any construction is forty dollars (\$40.00) which includes three (3) fixtures or waste discharge devices plus ten dollars (\$10.00) for each additional fixture or waste discharge device.

For the purpose of this Section, plumbing appliances and plumbing appurtenance shall also be construed to be a fixture.

1 to 3 fixtures or devices	\$40.00
each additional	10.00
sanitary sewer - new, replacement, repair	40.00
water service - new, replacement	30.00
storm sewer connection	30.00
replace or alteration of drainage or vent piping each fixture	10.00
water heaters	20.00

108 VIOLATIONS

108.4 Violation penalties - Delete subsection and substitute the following:

Any person who shall violate a provision of this Ordinance or shall fail to comply with any of the requirements thereof, or shall be in violation of any approved plan or directive of the Plumbing Inspector or of a permit issued under the provisions of the Ordinance shall, upon conviction thereof before the district Magistrate of the city of Bethlehem, Pennsylvania, be liable to the following penalties:

(a) First Violation - A fine of two hundred dollars (\$200.00), or thirty (30) days imprisonment, or both:

following:

108.5 Unlawful Continuance

Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as he is directed to perform to remove a violation or unsafe conditions, shall be liable to the penalty provisions as set forth in Section 108.4 - Violation Penalties.

109 Means of Appeal - Delete and substitute the following:

Controlled by Ordinance 3281.

CHAPTER 2 DEFINITIONS

201.0 DEFINITIONS OF PLUMBING TERMS

Building sewer - Delete subject definition and substitute the following:

Building Sewer - That part of the drainage system which extends from the building drain to the property line, private sewer main, individual sewage disposal system or other point of disposal and conveys its discharge to the public sewer, private sewer, individual sewage disposal system or other point of disposal.

Private Sewer - A pipe eight (8) inches or more in diameter on private property which serves two (2) or more dwelling units, each with their own individual building sewer and which discharges into a public sewer. Private sewers shall be subject to the City "Specifications for Construction of Sewer Pipes and Sewer Structures."

CHAPTER 3 GENERAL REGULATIONS

302 Exclusion of Materials Detrimental to the Sewer System

303.1 Detrimental or Dangerous Material

Delete subsection and substitute the following:

Controlled by Article 921

202.2 Industrial Wastes

Water service piping and sewers shall be installed below recorded frost penetration but not less below grade than 3 feet for water piping and 3 feet for sewers. Plumbing piping shall not be installed in any place subjected to freezing temperature, unless adequate provision is made to protect such pipe from freezing by insulation or heat or both.

306 TRENCHING, EXCAVATION AND BACKFILL - ADD SECTION

306.5 Shoring

The walls and faces of all excavations and trenches of four (4) feet or more in depth where persons are exposed to danger from cave-in shall be protected by a shoring system in compliance with OSHA standards.

315.0 Food or Drink Storage Area

Food or drink shall not be stored, prepared or displayed beneath overhead sewer or drain pipes unless such pipes are protected against leakage or condensation reaching the food or drink as described below for new construction. In newly constructed or remodeled establishments, soil or drain pipes located over food preparation, storage, display or serving areas are undesirable. Where building design requires that soil or drain pipes be located over such areas, the installation shall be made with the least possible number of joints and shall be installed so as to connect to a vertical stack at the nearest wall or vertical building support and the construction shall be performed as follows:

- (a) All openings through floors over such areas shall be provided with sleeves securely bonded to the floor construction and projecting not less than 3/4 inch above top of finished floor with space between sleeve and pipe or duct sealed.
- (b) Floor and shower drains installed above such area shall be equipped with integral seepage pans.
- (c) Plumbing fixtures in rooms located above such areas shall be of the wall mounted type except bath tubs. Tubs shall have waste and overflow connections made above floor and pipes to trap below floor. All connections through floor and to trap shall conform with all other provisions of this regulation. No floor openings

- (f) Where pipes are run in ceilings above such areas, the ceiling shall be of the removable type, or shall be provided with access panels in order to form a ready access for inspection of piping.
- (g) In lieu of the above, any other method may be approved by the Administrative Authority.

CHAPTER 4 FIXTURES

413 Food Waste Grinder Units

413.3 Commercial Foodwaste grinder outlets - Delete subsection and substitute the following:

Commercial food waste grinder waste outlets are not permitted in the City of Bethlehem, Pennsylvania.

419 URINALS - ADD SECTION

419.4 Urinals for Public Use

A floor drain shall be installed in toilet rooms that include urinals.

CHAPTER 6 WATER SUPPLY AND DISTRIBUTION

605 Materials, joints and Connections

605.4 Water Service Pipe - Delete subsection and corresponding table and substitute the following.

Water service pipe shall be type K copper tube only. No curb or meter box for water service shall be located in any driveway or ramp area.

605.5 Water Distribution Pipe - Delete subsection and corresponding table and substitute the following:

Water distribution pipe shall consist of type L copper tube, brass, or galvanized steel pipe.

609 Protection of Potable Water Supply

Chapter 7 SANITARY DRAINAGE701.2 Sewer Required - Add subsection.701.2.1. Public Systems Available

A public water supply system and/or public sewer system shall be deemed available to premises used for human occupancy if such premises abut along a street, alley, or easement, of the public water supply or sewer system and a connection conforming with the standards set forth in this Code may be made thereto.

701.5 Damage to Drainage System or Public Sewer - Delete subsection.

701.5 Exclusion of Materials Detrimental to the Sewage System - Delete subsection and substitute the following.

Controlled by Articles 921 and 923.

702 Materials

Table 702.3 Building Sewer Pipe Delete asbestos - cement pipe, copper or copper-alloy tubing, and vitrified clay pipe, **ABS cellular core, and PJC cellular core pipe.**

704.6 Minimum Size Building Sewer

The gravity building sewer shall not be less than 4 inches in size.

Chapter 9 VENTS903.1 Stack Required

904.1 Main Vent Required - Delete subsection and substitute the following:

Every sanitary drainage system receiving the discharge of a water closet shall have a main vent that is either a vent stack or stack vent. The main vent shall be a minimum of three (3") inches in diameter.

906.1 Size of Stack Vents and Vent stacks - Delete 1 1/4 inches and

Chapter 10 TRAPS, INTERCEPTORS, AND SEPARATORS

1003.6 Building Traps - Delete and substitute the following.

1002.6 Building Traps

An approved house trap shall be installed in each house drain located below the cellar floor and just inside the foundation wall. There shall be an air inlet for fresh air entering the house drain just inside the water seal of the trap. Size of house traps: the house trap shall not be less in size than the pipe it taps and in no case less than four (4) inches. Air inlets shall be four (4) inches in size for five (5) inch and six (6) inch drains, six (6) inches for eight (8) inch drains, and not less than eight (8) inches for all drains larger than eight (8) inches. All house traps shall be of the double hub pattern and shall in all cases be located and installed below the cellar floor.

1002.6.1

If a house trap is greater than five (5) feet below ground or grade, it shall be accessible by means of a manhole or pit approved by the Plumbing Inspector.

Nothing in this Ordinance hereby adopted shall be construed to affect any suit or proceedings impending in any court, or any rights acquitted or liability incurred, or any cause of action required or existing under any Act or Ordinance hereby repealed as cited in this Ordinance; nor shall any just or legal right or remedy of any character be lost, impaired, or affected by this Ordinance.

(Ord. 4148 - Passed 10/1/02)